

POLIVANOV, N.I.

GIBSHMAN, Yevgeniy Yevgen'yevich, professor, doktor tekhnicheskikh nauk;
POLIVANOV, N.I., redaktor; KOGAN, P.L., tekhnicheskii redaktor.

[Designing steel structures, combined with reinforced concrete,
for automobile-read bridges] Proektirovanie stal'nykh konstruk-
tsii, ob"edinennykh s zhelezobetonem, v avtodorozhnykh mostakh.
Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 230 p.
(Bridges) MLRA 9:6)

POLIVANOV, Nikolay Ivanovich, dotsent, kandidat tekhnicheskikh nauk;
GOLUBKOVA, Ye.S., redaktor; GALAKTIONOVA, Ye.N., tekhnicheskii
redaktor

[Reinforced concrete bridges for automobile roads; designs and
calculations] Zhelezobetonnye mosty na avtomobil'nykh dorogakh;
proektirovanie i raschet. Moskva, Nauchno-tekhn. izd-vo avtotransp.
lit-ry, 1956. 623 p. (MIRA 10:3)
(Bridges, Concrete)

~~POLIVANOV, V. A.~~
KRUTETSKIY, Yevgeniy Vladimirovich, dots.; ~~POLIVANOV, Nikolay Ivanovich,~~
dots., kand.tekhn.nauk; SLAVUTSKIY, Aleksandr ~~Mal'manovich,~~ dots.,
kand.tekhn.nauk; KHRISTENKO, V.P., red.; KONYASHINA, A.D., tekhn.
red.

[Roads and bridges] Dorogi i mosty. Izd. 2-oe, ispr. i perer. Pod
obshchei red. E.V.Krutetskogo. Moskva, Izd-vo M-va kommun. khoz.
RSFSR, 1957. 442 p. (MIRA 11:2)
(Road construction) (Bridge construction)

SOV/124-58-10-11749

Translation from: Referativnyy zhurnal, Mekhanika 1958 Nr 10, p 144 (USSR)

AUTHOR: Pollanov, N.I.

TITLE: Through-bridge Span Structures With Metallic and Reinforced Concrete Components (Proletnyye strovaniya s yezdoy ponizu iz metallicheskiye i zhelezobetonnykh elementov)

PERIODICAL: Tr. Mosk. avtomobiln. inst., 1957, Nr 21, pp 59-85

ABSTRACT: The structure of a steel and reinforced-concrete assembly truss for highway bridges is studied. The compression members of the truss are manufactured from reinforced concrete with rigid reinforcement while the tension members are made of metal alone. A detailed investigation follows on the subject of metal weight economy in span structures resulting from the use of steel and reinforced concrete trusses as compared to the use of purely metallic span structures. Peculiarities of such a structure and of the design calculation of such span structures are investigated. Possible assembly procedures are given for an 83.2 meter span sample structure. Graphs and tables accompany the communication.

A. D. Pospelov

Card 1/1

GIBSHMAN, Yevgeniy Yevgen'yevich, prof., doktor tekhn.nauk; POLIVANOV,
N.I., red.; VARGANOVA, A.N., red.izd-va; LELYUKHIN, A.A.,
tekhn.red.

[Urban engineering structures] Gorodskie inzhenernye sooruzhenia.
Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1959. 357 p. (MIRA 12:11)
(Civil engineering)

STENDER, Gerbert Markovich; ORNATSKIY, N.V., prof., doktor tekhn.nauk,
red.; POLIVANOV, N.I., doktor tekhn.nauk, red.; IVANOV, S.S.,
red.; GALAKTIONOVA, Ye.N., tekhn.red.

[German-Russian dictionary for highway engineers] Nemetsko-
russkii slovar' dorozhnika. Moskva, Nauchno-tekhn.izd-vo
M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959.
469 p. (MIRA 12:8)

(German language--Dictionaries--Russia)
(Road construction--Dictionaries)

GIBSHMAN, Yevgeniy Yevgen'yevich, prof., zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhn. nauk; KAIMYKOV, Nikolay Yakovlevich, prof. [deceased]; POLIVANOV, Nikolay Ivanovich, prof.; KIRILLOV, Vyacheslav Sergeyevich, dots.; IL'YASEVICH, S.A., doktor tekhn. nauk, prof., retsenzent; DEBERDEYEV, B.S., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Bridges and other road structures] Mosty i sooruzheniia na dorogakh; obshchii kurs. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp.i shosseinykh dorog RSFSR, 1961. 813 p. (MIRA 14:12)
(Road construction)

BEZOBRAZOV, B.B.; GONCHAROV, V.I.; IVANOV, S.K.; POLIVANOV, N.M.

Interchangeable bushing for ceramic abrasive conveyers. Kozh.
obuv.prom. 4 no.1:35 Ja '62. (MIRA 15:3)
(Shoe manufacture—Equipment and supplies)

VOLCHANETSKIY, Yuriy Mikhaylovich; POLIVANOV, Nikolay Nikolayevich;
KHOTILOVSKAYA, L., redaktor; YEMOROVA, I., tekhnicheskii redak-
tor

[Make it yourself] Samodelki. [Moskva] Izd-vo TsK VLKSM "Molodaya
gvardiya," 1954. 158 p. (MIRA 8:7)
(Woodwork)

POLIVANOV, N.V., KOLLOV, Y.N., MIRNAYLOVSKIY, L.K. and PARNIKOV, V.A.

"Magnetoelectrics in waveguides" Moscow

Conference on Physics of Magnetic Phenomena,
May 1956, Sverdlovsk, USSR

POLIVANOV, P.

Tablitsy dlia Podscheta Vesa Detalei i Materialov (Tables for Computing Weights of Parts and Materials)

218 p. 1.50

SO: Four Continent Book List, April 1954

POLIVANOV, P.

"Standardisation of Pneumatic Equipment and Brackets". Tr. from the Russian p. 234
(STROJIRENSTVI, Vol. 3, No. 3, March 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, Ma 1954, Unclassified

POLIVANOV, P.M.; GARANKINA, S.P., red.izd-va; DEMKINA, N.F.,
tekhn. red.

[Tables for calculating the weight of pipes and fittings]
Tablitsy dlia podscheta vesa trub i soedinitel'nykh cha-
stei. Izd.2., perer. i dop. Moskva, Izd-vo "Mashino-
stroenie," 1964. 234 p. (MIRA 17:3)

ICIVANCV, F. M.

"Selective Koller Clutches", Stanzi I
Instrument, 14, No. 1-2, 1943.

PR-52059019.

POKLIVANOV, F. M.

"Lock for the Box Containing the Electric
Apparatus of a Metal-Cutting Machine Tool",
Stanki I Instrument, 14, No. 1-2, 1943.

BR-52059019.

POKLIVANOV, I. K. Engineer

"A Holder for the Die and Tap on Turret
Lathes", Stanki I Instrument, 14, No. 3,
1943.

NR-52059019.

POLIVANOV, P. M., Engineer.

"A Ratchet Wrench", Stanki I Instrument,
14, No. 3, 1943.

BR-52059019.

FOLIVANOV, I. M., Engineer

"Using Old Drills for Counterbores",
Stanki I Instrument, 14, No. 4-5, 1943.

BR-52059019.

POLIVANOV, P.M.; GIL'DENBERG, M.I., red.; TIKHANOV, A.Ya., tekhn.
red.

[Tables for calculating the weight of parts and materials]
Tablitsy dlia podscheta vesa detalei i materialov. Izd.6.,
perer. i dop. Moskva, Mashgiz, 1963. 302 p. (MIRA 16:8)
(Materials--Tables, calculations, etc.)

FOLIVANOV, F. M.

Plant imeni Ordzhonikidze (-1943-).

"Counterbore for Machining Ends of Levers
for Handles", Stanki I Instrument, 14,
No. 9-10, 1943.

BR-52059019.

POLIVANOV, P. M.

Tables for calculating the weight of materials. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1945. 120 p. (52-55267)

TA151.P74 1945

POLIVANOV, P. M.

Science

Tables for computation of weight of parts and materials; Izd. 3. Moskva, Gos. nauchnotekhn. izd-vo mashinostroit. lit-ry, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952. 2Unclassified.

1. POLIVANOV, P. M.
2. USSR (600)
4. Gearing
7. Measuring thickness of gear teeth with inside toothing.
Stan. i instr. 23 no. 9, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

1. POLIVANOV, P. M.
2. USSR (600)
4. Pneumatic Tools
7. Normalization of pneumatic equipment.
Stan. 1 instr. 23 No. 11, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953. Unclassified.

POLIVANOV, P.M.

[Tables for calculating the weight of pipes] Tablitsy dlia podscheta vesa
trub. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1953. 234 p.
(MLRA 6:10)
(Pipe--Tables, calculations, etc.)

POLIVANOV, P. M.

Tablitsy dlia podscheta vesa trub [Tables for computing the weight of pipes].
Moskva, Mashgiz, 1953. 236 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 9 December 1953

1. POLIVANOV, P. M.
2. USSR (600)
4. Machine Tools - Lubrication
7. Improving operational qualities of oil distributors. Stan i instr No. 1 1953
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

POLIVANOV, P.M.

Standardization of cylindrical springs compression and expansion. Stan.
1 instr. no.5:36a-39 My '53. (MLRA 6:6)
(Springs (Mechanism)--Standards)

POLIVANOV, Pavel Mikhaylovich

POLIVANOV, Pavel Mikhaylovich; UVAROVA, A.F., tekhn.red.

[Tables for computing the weight of machine parts and materials]

Tablitsy dlia podscheta vesa detalei i materialov. Izd. 4-oe,
perer.i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.

lit-ry, 1957. 239 p.

(MIRA 11:1)

(Engineering--Tables, calculations, etc.) (Standards, Engineering)

Polivanov, P.M.

28-3-4/33

AUTHOR:

Polivanov, P.M., Engineer

TITLE:

Designing of Aggregate Machine Tools (Konstruirovaniye aggre-
gatnykh stankov)

PERIODICAL:

Standartizatsiya, 1957, # 3, May-June, p 22-25 (USSR)

ABSTRACT:

The term "aggregate" designates machine tools composed of normalized (unified) components and parts. The article describes the work of the designing bureau SKB which designs mainly the aggregate machine tools for drilling, boring, tread-cutting, milling and like operations for machining automobile and tractor engine cylinder blocks, agricultural machine parts, etc. Presently normalized components such as hydraulic heads and cylinders, hydraulic panels (produced by a specialized plant), saddles, frames, and control panels, are listed. Power heads for drilling of 1 mm diameter holes up to multi-spindle heads with 10,000 kg feed pressure were unified in 1956. The bureau has over 20 manuals and tables for calculations of dimensions for gears, keys and other parts. A designer of aggregate machine tools has to be able to select the best suitable components and to find the best solution within the given possibilities. The designing, i.e. the technical project and the work drawings, of an average-complex aggregate

Card 1/2

POLIVANOV, P.M.

PHASE I BOOK EXPLOITATION

1213

USSR. Komitet standartov, mer i izmeritel'nykh priborov

Materialy 2-go i 3-go soveshchaniy po standartizatsii i normalizatsii v mashinostroyenii (Materials of the Second [Dec. 1956] and Third [May 1957] Conferences on Standardization and Normalization in Machine Building) Moscow, Standartgiz, 1958. 135 p. 2,000 copies printed.

Resp. Ed.: Krynkina, K.M.; Ed. of Publishing House: Rozova, L.V.; Tech. Ed.: Natveyeva, A.Ye.

PURPOSE: This collection of articles is intended for designers and engineering specialists.

COVERAGE: The book contains abbreviated versions of lectures given during the 2nd and 3rd Scientific Methodology Conferences held in December 1956 and May 1957 respectively. The first part of the book reviews the significance of introducing into Soviet engineering practices a system of preferred numbers based on recommendation of the International Standards Organization (ISO). The second part of the book generalizes on the experimental studies of standardization and unification conducted by various machinery-manufacturing branches

Card 1/3

Materials of the Second (Cont.)

1213

- | | |
|--|-----|
| Pen'kov, P.M., Engineer. Methodology and Practice of Planning and Organizing Production of a [Preferred Numbers] Series of Design-unified Machine Tools Using a Basic Design | 47 |
| Polivanov, P.M., Engineer. Standardization of Parts and Assemblies When Planning Unit Machine Tools and Automatic Lines | 70 |
| Urnikov, I.N., Engineer. Basic Principles for Unifying and Design-standardizing Adjustable-blade and Axial Water Turbines | 78 |
| Rumyantsev, V.A., Docent. Methodology of Planning and Substantiating Standardized [Preferred Numbers] Series of Piston Compressors | 103 |
| Soldatov, K.N., Engineer. Experiment to Classify by Type and Standardize Centrifugal Oil Pumps of a Normal Series | 121 |
| Gurevich, A.Ya., Engineer. Experiment to Standardize and Normalize Construction and Road-building Machinery | 132 |

AVAILABLE: Library of Congress

Card 3/3

JG/fal
3-5-59

POLIVANOV, Pavel Mikhaylovich; YAKOVLEVA, V.I., red.; TIKHANOV, A.Ya.,
tekhn. red.; UVAROVA, A.F., tekhn. red.

[Tables for calculating the weight of parts and materials] Tablitsy
dlia podscheta vesa detalei i materialov. Izd.5., perer. i dop. Mo-
skva, Gos. nauchno-tekhn. izd-vò mashinostroit. lit-ry, 1961. 261 p.
(MIRA 14:8)

(Mechanical engineering—Tables, calculations, etc.)

S/028/62/000/002/002/004
D221/D303

AUTHORS: Polivanov, P.M., Osmolovskiy, F.A., and Tartakovskiy, Zh.E.

TITLE: The normalization of devices for unit machine tools

PERIODICAL: Standartizatsiya, no. 2, 1962, 9-16

TEXT: Over 80% of the unit machine tools designed by the Pervoye spetsial'noye konstruktorskoye byuro agregatnykh stankov i avtomaticheskikh liniy Moskovskogo gorodskogo sovnarkhoza (First Design Office of Unit Machine Tools and Automatic Lines of Moscow Town Sovnarkhoz) (SKB-1) consist of standardized items. The special sub-assemblies, of which fixing devices form the main part, amount to less than 20% of parts, but they require up to 50% of labor. The available systems of fixtures for machine tools, strip-assemblies (SRP) and universal build-up units (USP) have drawbacks. In 1961 the SKB-1 began work on normalization of devices for unit machine tools. Components were divided into typical groups, and fixing devices chosen for each group. The various methods of clamping are also tabulated. The devices are designated by three numbers and a letter which signify

Card 1/2

POLIVANOV, P.M.; OSMOLOVSKIY, F.A.; TARTAKOVSKIY, Zh.E.

Standard parts of clamping devices of machine-tool units.
Stan.i instr. 33 no.5:35-38 My '62. (MIRA 15:5)
(Machine tools)

SOKOLOV, Nikolay Mikhaylovich, kandidat tekhnicheskikh nauk; SHALYAPIN, R.S.,
kandidat tekhnicheskikh nauk, redaktor; POLIVANOV, S.I., redaktor
izdatel'stva; GUSEVA, S.S., tekhnicheskiiy redaktor

[Manual on the preparation of rammed concrete piling] Rukovodstva
po izgotovleniiu nabivnykh betonnykh chastotrambovannykh svai.
Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 46 p.
(Concrete piling) (MLRA 9:10)

POLIVANOV, S.I., inzh., nauchnyy red.; BEGAK, B.A., red.izd-va; BOROVNEV,
H.K., tekhn.red.

[Plans for over-all mechanization of construction work] Skhemy
kompleksnoi mekhanizatsii stroitel'nykh rabot. Moskva, Gos.
izd-vo lit-ry po stroit. i arkhitekt. No.2, sec.7. [Earthwork in
connection with the construction of drainage systems] Zemlianye
raboty pri stroitel'stve osushitel'nykh setei. 1957. 31 p.
(MIRA 11:4)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-
issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'-
stva.

(Earthwork) (Drainage)

1000000 57
SEMENOV, Mikhail Pavlovich; POLIVANOV, S.I., redaktor izdatel'stva;
MAGISHKINA, T.M., tekhnicheskii redaktor

[Problems and methods of engineering geology research for industrial
construction] Zadachi i metody inzhenerno-geologicheskikh issledova-
nii dlia promyshlennogo stroitel'stva. Moskva, Gos. izd-vo lit-ry
po stroit. i arkhitekt. 1957. 34 p. (MIRA 10:7)
(Engineering geology)

ZERNYAKOV, Boris Stepanovich; TREBELEV, Aron Markovich; BURLAKOV, Vladimir Yevgen'yevich; POLIVANOV, Vasily Fedorovich; MANZON, Eduard Abramovich; DUNAYEV, Yuriy Andreyevich; UDAL'TSOV, A.N., glavnyy red.; MALOV, A.N., kand.tekhn.nauk. red.; TUCHINSKIY, N.V., inzh., red.; ZASLAVSKIY, M.L., inzh., red.; SMIRNOV, P.V., inzh., red.; NEUSYPIN, A.M., inzh., red.

[New method of preparing aluminum alloys in electric furnaces; Efforts to avoid losses in brass smelting; Use of rolled metal with variable cross section for the manufacture of truck trailer axles; New design of rotor blades for low capacity hydraulic turbines; Lubricant collection in settling basins] Novyi sposob prigotovleniya aluminievyykh splavov v elektricheskikh pechakh; Bor'ba s poteryami pri plavke latuni; Primeneniye prokata peremennogo sечения dlia izgotovleniya osei avtopritsepa; Novaya konstruktsiya lopastei rabochikh koles gidroturbin maloi moshchnosti; Sbor masla v otstoinnikakh. Moskva, 1956. 12 p. (Peredovoi proizvodstvenno-tekhnicheskii opyt. Ser.19. Ekonomiya materialov i novye materialy, primenyaemye v mashinostroenii. No.T-56-363/6). (MIRA 13:3)

1. Akademiya nauk SSSR. Institut nauchnoy i tekhnicheskoy informatsii.

(Technological innovations)

MANZON, E.A., inzh.; POLIVANOV, V.F.

Modernizing lathes at the Shchelkovo Pumping Machinery Plant.
Mashinostroitel' no.1:30 N '56. (MIRA 12:1)
(Shchelkovo—Lathes)

TITAYEVA, N.N.; POLIVANOV, V.M.

Method of studying the feeding habits of small insect-eating birds during
the nesting period. Biol.MOIP Otd.biol. 58 no.2:35-38 '53. (MLBA 6:6)
(Birds--Food)

POLIVANOV, V.M.

Local bird populations and the degree of their permanency.
Trudy DGG no.4:79-155 '57. (MIRA 11:12)
(Darwin Preserve--Birds)

POLIVANOV, V. M., Cand Biol Sci -- (diss) "Local Bird Populations and the Degree of Their Permanency." Ves'yegonsk, 1958, 17 pp (Moscow City Pedagogic Inst im V. P. Potyemkin. Chair of Zoology. Darwinian State Preserve), 110 copies, no price given (KL, 21-60, 121)

7210240012 17
POLIVANOV, V.M.

Migration of birds and the participation of schools in studying it.
Biol. v shkole no.1:59 Ja-F '58. (MIRA 11:1)

1. Darvinskiy gosudarstvennyy zapovednik na Rybinskom vodokhranili-
shche.

(Birds--Migration--Study and teaching)
(Darvinskiy Preserve--Birdbanding)

L 36340-66 EWT(1)/EWT(m)/T/FSS-2/EWP(t)/ETI IJP(c) JD
ACC NR: APG015779 (A,N)

SOURCE CODE: UR/0048/66/030/005/0840/0842

AUTHOR: Polivanov, V. V.; Gerchikova, I. I.; Markov, M. Ye.; Gilim, N. N.
O.G: none

53
B

TITLE: A precision electronic dc current regulator [Report, Fifth All-Union Conference on Electron Microscopy held in Sumy 6-8 July 1965]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 5, 1966, 840-842

TOPIC TAGS: current stabilization, direct current, electron microscopy

ABSTRACT: The authors describe a series-type vacuum tube current regulator capable of supplying 0.4 to 0.8 A of regulated current with a drift after a 40 minute warm up of less than one part per million per minute and not more than five parts per million per hour. The instrument featured a type 70-AMTsG-1.3 battery for the reference voltage, a precision potentiometer with which the current could be adjusted in steps of 2 to 4 parts per million, a dc amplifier of which the first stage was a parallel balanced circuit each branch of which was connected as a compensation circuit with a large cathode resistor, and preregulation of the heater current. By using this regulator to supply the objective lens of a type EMV-150 electron microscope, it was possible for the first time to achieve a resolving power of 5 A with a Soviet microscope. Orig. art. has: 4 figures.

SUB CODE: 20, 09/

SUBM DATE: 00/

ORIG REF: 000/

OTH REF: 000

Card 1/1

L 36339-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6015780

(A, N)

SOURCE CODE: UR/0048/66/030/005/0843/0845

AUTHOR: Iz'yurov, A. V.; Pogudina, R. V.; Polivanov, V. V.

ORG: none

56
B

TITLE: Problems involved in regulation of the accelerating potential of a high-resolution electron microscope /Report, Fifth All-Union Conference on Electron Microscopy held in Sumy 6-8 July 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 5, 1966, 843-845.

TOPIC TAGS: voltage stabilization, voltage regulator, electron accelerator, electron microscopy, electron microscope/EMV-150 electron microscope

ABSTRACT: The authors very briefly discuss the problems encountered in their attempts to regulate the 100-150 kV accelerating potential of a type EMV-150 electron microscope. The accelerating potential was developed with a high frequency oscillator and rectifier unit. Regulation was accomplished with the aid of a 1000:1 wire-wound voltage divider (not described), a battery-supplied reference voltage, and a dc amplifier (gain, 2500) which controlled the screen voltage of the oscillator tubes. Some possible sources of instability are enumerated and the contributions of some of them to the over-all instability are evaluated. It was found to be unnecessary to employ mercury-zinc cells for the reference voltage battery, selected manganese-zinc cells

Card 1/2

SOV/120-58-4-10/30

AUTHORS: Stoyanov, P.A., Polivanov, V.V., Mikhaylovskiy, G.A.

TITLE: The UEMB-100 Electron Microscope (Magnetically Focussed)
(Magnitnyy elektronnyy mikroskop UEMB-100)

PERIODICAL: Pribery 1 tekhnika eksperimenta, 1958, Nr 4, pp 51-60
(and 2 plates)(USSR)

ABSTRACT: The UEMB-100 (mentioned briefly in the first article in this issue) is described in full technical detail, with plates illustrating the applications. The resolution is 20 Å; there are four lenses, and the magnification is continuously variable from 250 to 150,000. It is applicable to many uses, such as spectroscopy in reflection, diffraction, light- and dark-field working, etc. Fig. 1 is a general view photo of the microscope, and Fig. 2 is a cross-sectional, cut-away diagram of the same instrument. Fig. 3 illustrates the objective lens (the most important part) with 3 pages of description. Fig. 4 shows the mechanism for setting in the object pole-tips, Fig. 5 the stigmator. Fig. 6 shows the intermediate and projection lenses (built as a single unit), Fig. 7 the vacuum system, and Fig. 8 the supply system.

Card 1/2

SOV/120-53-4-10/30

The UEMB-100 Electron Microscope (Magnetically Focussed)

Figs 8 and 9 show the voltage stabilizer and heater voltage supplies respectively, Fig 11 the lens current stabilizer, and Fig 12 the electronic high voltage stabilizer. Fig 14 shows colloidal gold particles, and Fig 16a diffraction pattern obtained in reflection; Fig 15 shows diffraction and microdiffraction patterns from vacuum-evaporated silver (on collodion). The paper contains 16 figures and 5 references, 4 of which are Soviet and 1 English.

SUBMITTED: August 26, 1957.

Card 2/2

POLIVANOV V.V.

12. СЕКЦИЯ ЭЛЕКТРОННОЙ МИКРОСКОПИИ
Руководитель: академик А. А. Лобанов

12 июня
(с 10 до 16 часов)

П. А. Степанов,
В. В. Павлов

Электронный микроскоп ЭМБ 100

А. И. Кабанов,
Ю. И. Кушнер

Универсальный электростатический дефлектор, работающий на 75 кВ и некоторые вопросы его применения.

Н. И. Рогов

Электронный микроскоп-микрофотограф с ускорением электронов 600 кВ и перспективные исследования электронов-повышающих свойств для исследования структуры веществ.

Н. Г. Степанов

О возможности применения электронов микроскопа для исследования объектов в атмосфере гелия в вакуумном состоянии.

30

12 июля
(с 16 до 22 часов)

А. В. Березин

Использование лазерной микрофотографии для исследования фазовых состояний систем и вычислительных систем.

Ю. А. Славин

Электронно-микроскопические исследования структур полимеров и металлов и сплавов.

13. СЕКЦИЯ РАДИОТЕХНИКИ, ЭЛЕКТРОАКУСТИКИ И СВЯЗИ
Руководитель: Н. В. Гром

8 июня
(с 10 до 16 часов)

В. А. Шварц

Способы повышения устойчивости работы систем управления речью.

Г. С. Гинзбург

Исследования распространения волн в атмосфере ионизированной газовой среде.

30

report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in A. S. Popov (VSENER), Moscow,
8-12 June, 1959

AUTHORS:

Polivanov, Y.V., Il'in, V.V.
Iz'yurov, A.V., Pyatakov, N.I., Shumova, R.V.

SOV/48-23-4-4/21

TITLE:

The Feeding Installation of Electron Microscopes UEMB-100
(Pitayushcheye ustroystvo elektronnoy mikroskopa UEMB-100)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Seriya fizicheskaya, 1959,
Vol 23, Nr 4, pp 450 - 453 (USSR)

ABSTRACT:

First, mention is made of the investigation carried out by
Leisegang (Ref 1), and it is pointed out that the require-
ment in electron microscopes with voltages as high as
100 kv of not allowing voltage and current fluctuations
at the lenses to exceed $14 \cdot 10^{-3}$ % can be met only by
electronic stabilization of the current source. Figure 1
shows the block diagram of the apparatus. The electromagnetic
stabilizer SNE-220-0,5 is made use of in the scheme. The
lens current is electronically stabilized, its fluctuation
amounting to 0.001%. The number of ampere turns of all
lenses can be varied in a wide range. The selenium rectifiers
for the high voltage of 100 kv allow a load of 120 A, the
electronic stabilization of this high voltage occurs through

Card 1/2

AUTHORS: Polivanov, V. I., Iz'yurov, A. V., SOV/10-27-1-15/21
Il'in, V. V.

TITLE: Some Problems Concerning the Calculation and Construction of the Supply System of Electron Microscopes (Nekotoryye voprosy rascheta i konstruirovaniya pitayushchikh ustroystv elektronnykh mikroskopov)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1952, Vol 23, Nr 4, pp 501-505 (USSR)

ABSTRACT: The basic problem of the current supply of electron microscopes is the stabilization of the voltage fluctuations and the smoothing of the direct current. The voltage fluctuations and the hum voltage of direct current lead to a decrease in the resolving power. A table specifies the resolving power, the voltage fluctuations and the high-tension hum voltage, as well as the lens current fluctuations of four Russian electron microscopes. The theoretical values, as well as the best values of foreign makes are given for comparison. The experimental results which were obtained in developing the current supply system of the electron microscope UEM-100 are then mentioned, and two

Card 1/3

Some Problems Concerning the Calculation and
Construction of the Supply System of Electron Microscopes

NOV/18-21-15/21

circuit diagrams for the high-voltage stabilization are shown in figure 1a, 1b. In the case of the first one, the authors attempted to obtain stabilization by means of a voltage divider, and with a pentode in the second case. The direct current high voltage is doubled and rectified after having passed a 50 kv transformer by means of high-voltage rectifiers and condensers and the hum voltage is decreased by filter chains. The stabilization of the lens current is then discussed and explained by the aid of two circuit diagrams. A special problem is the heating of the lens coils. The diagram in figure 7a shows the effect of the structural variations by describing the temperature course, with respect to time, of the casing and the variation, with respect to time, of the lens winding resistance of the microscope UEM-100. The diagram in figure 7b shows the variation, with respect to time, of the temperature of the casing and of the lens winding resistance of the microscope UEMB-100; the result is a considerable improvement. So far, in all Russian electron microscopes, the electric system is sheltered in the support, with the exception of the high

Card 2/3

Some Problems Concerning the Calculation and
Construction of the Supply System of Electron Microscopes

SOV/48-23-4-15/21

voltage. Owing to the fact that all the electric systems are becoming ever more complicated and larger and because they generate disturbing magnetic fields in the instrument, the necessity arises of developing new variants. There are 7 figures, 1 table, and 5 references, 2 of which are Soviet.

Card 3/3

S/120/60/000/005/048/051
E192/E382

AUTHORS: Polivanov, V.V., Il'in, V.V., Izbyurov, A.V.,
Pogudina, R.V. and Pyatakov, N.I.

TITLE: Power-supply Equipment for the Electron Microscope,
Type УЭМБ-100 (UEMV-100) ²¹

PERIODICAL: Pribery i tekhnika eksperimenta, 1960, No. 5,
pp. 147 - 151 ²⁸

TEXT: The new electron microscope, type UEMV-100 (Ref. 3), and its power supplies can be regarded as a further development of the microscope type УЭМБ-100 (UEMB-100). In particular, the high voltage supplies have the same three stages, i.e. 50, 75 and 100 kV and the lenses operate with the same number of ampere-turns. However, the new microscope is provided with improved power supplies. All the five lenses of the microscope are supplied from current stabilisers which are based on a single-stage circuit in which the anodes of the amplifier tubes are fed from a stabilised source. In this way, an increased stability of the lens currents was achieved. A further increase in the stability was secured by employing new tubes, types 6H13C (6N13S) and 6C18C (6S18S). The use of the new Card 1/4 ✓

S/120/60/000/005/048/051
E192/E382

Power-supply Equipment for the Electron Microscope,
Type UEMV-100

tubes permitted the successful solution of a number of problems such as achieving a wide control of the lens currents, which is necessary for various operating conditions of the microscope. The mains voltage (220 V) is first stabilised by means of two series-connected ferroresonant stabilisers (Fig. 2). Small batteries, type 70-AMUГ-У-1.3 (70-AMTsG-U-1.3) having a useful life of 15 months, are employed in the rectified stabilised supply sources. The supply sources for the lenses are provided with stepwise voltage control, which is achieved by means of multiple switches. Constructionally, the switches are assembled in blocks, each consisting of 3 wafers. Each wafer is provided with 23 contacts and has an independent control knob. The problem of providing the supply to the stigmators was solved in a novel manner (Fig. 3). Instead of using a number of rectifiers, a common rectifier, giving 300 mA, is used for all the stigmators. 5 potentiometers corresponding to the number

Card 2/4

S/120/60/000/005/048/051

E192/E382

Power-supply Equipment for the Electron Microscope,
Type UEMV-100

of the stigmator coils are connected in series across the stabiliser output. The voltage necessary for the stigmators is taken from these potentiometers. Since the resistance of the stigmators is very low, the change of current in one stigmator does not cause any variation of the current in the stabiliser network and so the current control of the stigmators is independent. The stabilisation of the high voltage in the new microscope is done in the same way as in the old one, except that instead of the four control tubes, type 6H5C (6N5S), only two new tubes, type 6S18S, are employed, while the cathode follower is based on the tube type 6H8C (6N8S), instead of 6H3C (6P3S). There are two versions of the high-voltage stabiliser. One of these uses a battery as the voltage reference source, while the other employs a gas-discharge tube, type CG-201C (SG-201S), as the reference source. The circuit for connecting a gas-discharge stabiliser is shown in Fig. 5. It was found that the latter type of stabiliser was quite satisfactory. It was found experimentally

Card 3/4



S/120/60/000/005/048/051
E192/E382

Power-supply Equipment for the Electron Microscope,
Type UEMV-100

that the new microscope, fitted with the newly developed
stabilised supply sources, has a resolution of 10 Å.
There are 4 figures and 3 Soviet references.

SUBMITTED: July 4, 1959

Card 4/4

POLIVANOV, V.V.; POGUDINA, R.V.; IL'IN, V.V.

Power source of microscope lenses having a resolving power of
5 Å. Izv.AN SSSR.Ser.fiz. 25 no.6:772-775 Je '61. (MIRA 14:6)
(Electric power) (Electron microscope)

VALYASHKO, M.G.; POLIVANOVA, A.I.; ZHEREBTSOVA, I.K.

Experimental study of the displacement of solutions of different specific gravity in porous rocks in connection with vertical hydrogeochemical zoning. Geokhimiia no.3:312-328 Mr '63.
(MIRA 16#9)

1. Chair of Geochemistry, Lomonosov State University, Moscow.
(Saline waters—Analysis)

VALYASHKO, M.G.; ~~POLIVANOVA, A.I.~~; ZHEREBTSOVA, I.K.; METTIKH, B.I.;
VLASOVA, N.K.; NIKOLAYEV, A.V., otv. red.; STOLYAROV, A.G.,
red.

[Geochemistry and genesis of brines of the Irkutsk amphi-
theater] Geokhimiia i genezis rassolov Irkutskogo amfi-
teatra. Moskva, Nauka, 1965. 158 p. (MIRA 19:1)

VALYASHKO, M.G.; POLIVANOVA, A.I.; ZHEREBTSOVA, I.K.

Jet gravitation movement and its role in the formation and
distribution of natural waters. Vest.Mosk.un.Ser.4:Geol. 20
no.5:9-30 S-0 '65. (MIRA 18:11)

1. Kafedra geokhimii Moskovskogo gosudarstvennogo universiteta.

Polivnaya N.C.

PHASE I BOOK REFORMATION 80/1910

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov
Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov
and Reagents: Collection of Articles (High Purity Substances
196 2. (Series: Issledovaniya, 23) Moscow: Gostkhimizdat, 1959.
copies printed.

Sponsoring Agency: USSR, Soviet Ministry. Goskhimnadzor komitet po khimii.
Ed.: Yu.V. Izrael; Tech. Ed.: Ye.S. Gupak; Editorial Board of Series:
V.G. Bruts', V.M. Bolshakov, N.P. Lazarevsky (Resp. Ed.), A.M. Izrael,
I.O. Shafraev.

PURPOSE: This book is intended for personnel of chemical research and industrial
chemical laboratories.

COVERAGE: The book contains 36 articles by scientists of the Scientific Research
Institute for Chemical Reagents (IIRA) treating methods which may be adopted
by different branches of industry in producing, analyzing, and studying inor-
ganic and organic substances of high purity. Figures, tables, and references
accompany each article. No personalities are mentioned.

Shafraev, I.O. Chemical Methods of Determining Small Amounts of Impurities
in a Number of High Purity Substances

Karavaychik, S.G. Colorimetric Determination of Heavy Metals With the Aid
of Thiocyanamide 88

Bolshakov, A.M., A.M. Volkov, and G.S. Pliginskaya. Determining Am-
tures of Thallium in Sodium Iodide Single Crystals Activated by Thallium 96

Izrael, A.M., G.P. Zavarzhinskaya, and I.O. Shafraev. On the Problem of An-
alyzing Arylphosphonic Acids 102

Franklin, S.G., and I.O. Shafraev. Special Determination of Small
Amounts of Iron in Selenium 106

Bolshakov, Ye. A., and G.N. Serebrennikova. Some Special Features
of the Fluorescence of Salicylaldehyde Semicarbazone as a Luminescent Acid-
Base Indicator 113

Bolshakov, Ye. A. Apparatus and Reagents for Luminescence Analysis 116

Ryabko, V.M., and E.A. Demarekova. Synthesis of Some Alkyl Compounds
and Their Reactions With Selenium 124

Bolshakov, Ye. A. The Connection Between Fluorescence and Structure in
Organic Luminescent Indicators and Reagents 138

Shafraev, Ye. A., and I.M. Shafraev. Determination of the Elementary
Cell and Space Group of the Sodium Salt of Oxalic Acid (NaOx)
ethylene-tetracarboxylic Acid 147

Bruts', V.G. Work of the Institute for Chemical Reagents for the [Year] 166

See Years

AVAILABLE: Library of Congress 169

Card 6/6

24/10/60

FRATKIN, Z.G.; POLIVANOVA, N.G.

Spectral determination of small amounts of iron in selenium.
Trudy IREA no.23:113-115 '59. (MIRA 13:7)
(Iron-Analysis) (Selenium-Analysis)

S/032/60/026/012/014/036
B020/B056

AUTHORS: Fratkin, Z. G. and Polivanova, N. G.
TITLE: Determination of Trace Impurities in Selenium
PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 12,
pp. 1372-1374

TEXT: In a paper by O. G. Koch (Ref. 1) a method for the spectroscopic determination of impurities in selenium with preceding chemical enrichment is described which is, however, too complicated for serial analysis. In the present paper a simple analytical method for pure selenium in a standard equipment is described, which permits determination of impurities with a higher accuracy than in the paper by G. E. Peterson and E. W. Currier (Ref. 2). The conditions of the analysis are given in Table 1. The impurities were determined according to the three-standards-technique. Table 2 shows when the background near the analytical lines was used as inner standard. In all other cases, determination was carried out according to the "absolute" blackenings. The spectra of the samples and standards were photographed three times in each case on the same plate. The mean square
Card 1/2

Determination of Trace Impurities in Selenium S/032/60/026/012/014/036
BO20/BO56

error of the method for various impurities is 20 to 25%. The error of analysis is reduced by the introduction of carbon powder into samples with an impurity content that is three to five times higher than the lower limit of detection. In the semiquantitative analysis, the lower limit of detection may be largely reduced. The standards were produced from pulverulent selenium, the impurities being introduced in form of selenides or sulfides and tellurium in form of powder. The initial standards contained 10% of the impurities to be determined. Standards with lower concentration were obtained by successive dilution with pulverulent pure selenium by means of a mechanical mixer. There are 2 tables and 3 references: 1 Soviet, 1 Austrian, and 1 US.

ASSOCIATION: Leningradskaya laboratoriya Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh reaktivov
(Leningrad Laboratory of the All-Union Scientific Research Institute of Chemical Reagents)

Card 2/2

FRATKIN, Z.G.; VOLOKHOVA, M.I.; POLIVANOVA, N.G.

Spectral analysis of high purity iodine. Zav.lab. 27
no.7:846-848 '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov.

(Iodine--Spectra)

POLIVANOVA, N.N.

Nutrition of the young of some useful insectivorous birds in the
Darwin Preserve. Trudy DOZ no.4:157-244 '57. (MIRA 11:12)
(Darwin Preserve--Birds--Food)

POLIVANOV A. I.

Heron populations of Lake Khanka. (Khr. prioz. na Dal'. Vost.
no.1:123-131 '63. (VCHA 18:2)

1. Sikhote-Alinskiy gosudarstvennyy zapovednik.

PALKIN, A.P. [deceased]; POLIVANOVA, T.A.

Singular star of the system Na, K, Tl || Cl, Br, SO₄. Zhur. neorg.
khim. 9 no.10:2446-2453 O '64.

(MIRA 17:12)

1. Voronezhskiy gosudarstvennyy universitet, Kafedra neorganicheskoy
khimii i Voronezhskiy meditsinskiy institut, Kafedra obshchey khimii.

PALKIN, A.P.; POLIVANOVA, T.A.

Quinary reciprocal system consisting of chlorides, bromides, sulfates of sodium, potassium, and thallium. Zhur. neorg. khim. 9 no.3:709-717 Mr '64. (MIRA 17:3)

1. Kafedra neorganicheskoy khimii Voronezhskogo gosudarstvennogo universiteta i Kafedra obshchey khimii Voronezhskogo meditsinskogo instituta.

PALKIN, A.P.; POLUVANOVA, T.A.

Quaternary reciprocal system consisting of sodium and thallium chlorides, bromides, and sulfates. Zhur. neorg. khim. 7 no.8:1983-1989 Ag '62. (MIRA 16:6)

1. Voronezhskiy gosudarstvennyy universitet, kafedra neorganicheskoy khimii i Voronezhskiy meditsinskiy institut, kafedra obshchey khimii.

(Systems(Chemistry))

PALKIN, A.P.; POLIVANOVA, T.A.

Quaternary system Tl_2Cl_2 - Tl_2Br_2 - Na_2SO_4 - K_2SO_4 . Zhur¹neorg.-
khim. 8 no.4:959-963 Ap '63. (MIRA 16:3)
(Thallium halides) (Alkali metal sulfates) (Systems (Chemistry))

POLIVANOVA, T.A.

Quaternary reciprocal system consisting of sodium and thallium
chlorides, bromides, and sulfates in melts. Zhur.neorg.khim.
7 no.6:1434-1442 Je '62. (MIRA 15:6)

1. Voronezhskiy meditsinskiy institut, kafedra neorganicheskoy
khimii.

(Fused salts) (Systems (Chemistry))

ZNAMENSKIY, V.F., professor, zaveduyushchiy; POLIVANOVA, T.I., klinicheskiy ordinar.

Secretory function of the stomach in dyspepsias in infants. Vop.pediat. 21
no.4:21-25 Л-Аг '53. (MLBA 6:10)

1. Kafedra pediatrii Leningradskogo gosudarstvennogo sanitarno-gigiyenicheskogo
instituta. (Dyspepsia) (Gastric juice)

POLIVANOVA, T.M. Cand. Agricult. Sci.

Dissertation: "Albumin Nutrition of Laying Hens During the Molting Period."
Moscow Zooveterinary Inst, 30 May 47.

SO: Vechernyaya Moskva, May, 47 (Project #17836)

POLIVANOVA, T. M.

POLIVANOVA, T. M. "The protein feeding of laying hens while moulting," (A candidate's dissertation), Trudy Nauch.-issled. in-ta ptitsevodstva, Vol. XX, 1949 (on cover: 1949), p. 120-211, - Bibliog: 97 items

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal Statey, No. 25, 1949).

USSR / Farm Animals. Poultry.

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 21294

Author : Polivanova, T. M.
Inst : Scientific Research Institute of Poultry Farming
Title : Economic and Biologic Characteristics of Various
Breed Hens

Orig Pub : Byul nauchno-tekhn. inform. N.-1. in-ta ptitsevodstva,
1957, No 2, 6-12

Abstract : During the first year of the experiment, highest egg production was found in hens of the striped Plymouth Rock breed which amounted to 200.5 eggs per one laying hen; 170 to 188 eggs were obtained per one egg-laying hen from hens of the Leghorn, New Hampshire, Rhode Island and White Plymouth Rock breeds. During the second year the greatest decrease of egg production amounting to 32 percent was displayed by hens of the

Card 1/2

POLIVANOVA, T.M., kand. sel'skokhozyaystvennykh nauk.

Arzamas geese. Ptitssevodstvo 8 no.9:20-23 S '58.
(Geese)

(MIRA 11:10)

POLIVANOVA, Ye.N.

Larvae of the principal phytophagous bugs of the family Pentatomidae.
[with English summary in insert]. Zool.zhur.35 no.11:1661-1675 '56.

(MLRA 10:1)

(Eurygastera)

POLIVANOVA, Ye. N. Cand Biol Sci -- (diss) "Morphological and ecological characteristics of grain ^{insects} ~~bugs~~ of the Pentatomidae family in southern grain-producing areas of the European USSR." Mos, 1957. 17 pp 22 cm. (Acad Sci USSR. Inst of Morphology of Animals in A. N. Severtsov), ¹⁷⁰ 100 copies. (KL, 14-57, 86)

POLIVANOVA, Ye. N.

"Morphological and Ecological Characteristics of the "Bread Bug" of the Family Pentatomidae in the Southern Grain Districts of the European Part of the USSR."

dissertation defended for the degree of Candidate of Biological Sciences at the Inst. for the Morphology of Animals im A. N. Severtsev.

Defense of Dissertation (Jan-Jul 1957)

Sect. of Biological Sciences

Vest. AN SSSR, 1957, v. 27, No. 12, pp. 117-118

POLIVANOVA, Ye. N.

USSR/General and Special Zoology. Insects. Injurious In- P
sects and Ticks. Pests of Cereal Crops

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49560

Author : Polivanova Ye. N.

Inst : AS USSR

Title : Factors Determining the Population of Cereal
Bugs (Family Pentatomidae) in the Southern Grain
Regions of the European Part of the Union.

Orig Pub : Dokl. AN SSSR, 1957, 112, No 3, 538-541

Abstract : The Eurygaster in Southern Europe found its food
and appropriate biotopes in wheat plantings. The
phenological rhythms of the Eurygaster and winter
wheat are synchronous. When the egg-laying is
early, the major part of the eggs does not be-
come infected by the egg-eaters. When the feeding
base is narrowed down (grain harvest) the
Eurygasters go into diapause. The Pentatomides

Card : 1/2

POLIVANOVA, Ye.N.

Significance of anatomical characteristics for systematics
and the study of phylogenetic interrelationships in stinkbugs
(Pentatomidea). Trudy Inst.morf.zhiv. no.27:201-220 '59.
(MIRA 13:2)

1. Laboratoriya morfologii besposvonochnykh zhivotnykh Instituta
morfologii zhivotnykh im. A.N.Severtseva AN SSSR.
(Stinkbugs) (Morphology (Animals))

POLIVANOVA, Ye.N.

Function of the secondary dorsal organ in the embryonic development
of Scutelleridae (Hemiptera, Pentatomoidea). Dokl. AN SSSR 135
no.1:229-232 N '60. (MIRA 13:11)

1. Institut morfologii zhivotnykh im. A.N.Severtsova AN SSSR.
Predstavleno akademikom I.I.Shmal'gauzenom.
(Embryology--Insects) (Stinkbugs)

POLIVANOVA, Ye.N.

Development of the digestive system and Malpighian vessels in
Scutelleridae (Hemiptera, Pentatomoidea). Zool. zhur. 40 no.4:512-522
Ap '61. (MIRA 14:3)

1. Institute of Animal Morphology, U.S.S.R. Academy of Sciences
(Moscow).

(Embryology--Insects) (Digestive organs--Insects)
(Malpighian vessels)

POLIVANOVA, Ye.N.

Key to the phytophagous pentatomid larvae (Hemiptera, Pentatomidea) of Armenia. Zool. sbor. no.13:213-238 '64.
(MIRA 18:2)

1. Institut morfologii zhivotnykh imeni Severtsova AN SSSR.

POLIVANOVA, Ye.N.

Functional role of fetal membranes in insects. Dokl. AN SSSR
160 no.1:243-245 Jan 1965. (MIRA 12:2)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii i Institut
morfologii zhivotnykh im. A.N. Severtsova AN SSSR. Submitted May 1,
1964.

POLIMANOVA, Ye.N.

Ecological and morphological characteristics of true bugs of the
superfamily Pentatomoidea in southern grain areas of the Euro-
pean part of the U.S.S.R. Vred. cherep. 4:157-221 '60.

(MIRA 14:11)

(Krasnodar Territory---Pentatomoidea)

(Lugansk Province---Pentatomoidea)

BERNSHTEYN, I.Ya., inzh.; POLIVANOVSKAYA, K.V., inzh.

Ionic converters of decreased frequency. Vest. elektroprom.
33 no.10:11-15 0 '62. (MIRA 15:9)

(Electric current converters)

(Frequency changers)

(Electric machinery—~~Alternating~~ current)

USSR/Diseases of Farm Animals. Non-Contagious Diseases.

R-2

Abs Jour : Ref Zhur-Biol., No 18, 1958, 83583

Author : Fedorov, B. T.; Mirolubov, I.I.; Polivanskaya, K.
D.; Dorokhova, A. K.

Institute : No institute is given

Title : Steatitis Disease in Minks.

Orig Pub : Karakulevodstvo i zverovodstvo, 1957, No 6, 54-56

Abstract : At one of the sovkhoses for animal breeding, an outbreak of polyavitaminotic steatitis ("yellow fat" disease) occurred among young minks. The disease was characterized by a general depression, by food refusal, by diarrhea with yellow or dark-green feces, sometimes by seizures accompanied by spasms or paralyzes. An autopsy of succumbed animals uncovered a well advanced degenerative adiposity. The disease was caused by continuous feedings of fish remnants containing rancid fat to the animals.

Card 1/1

POLIVANOVSKIY, S.

Your friends, the book! Sov. profsoiuzy 19 no.22:16-19
D '63. (MIRA 17:1)

1. Direktor Mosknigi.

1ST AND 2ND ORDER																										3RD AND 4TH ORDER																									
PROCESSES AND PROPERTIES INDEX																																																			
ca Returning mash filtrate to the process. M. Polivanyi. <i>Soviet-Vodochraya Prom.</i> 16, No. 8, 30-3(1939).—Re- turning mash filtrate accelerates the mashing process about 25-30%, thereby increasing production capacity of app. and decreasing water consumption. The smaller vol. of mash is offset by its higher concn. of nutrient for ferment- ation. Julian F. Smith																										16																									
ASD-51A METALLURGICAL LITERATURE CLASSIFICATION																																																			
1ST AND 2ND ORDER																										3RD AND 4TH ORDER																									
1ST AND 2ND ORDER																										3RD AND 4TH ORDER																									

POLIVANNYY, V.I., red.; STAROSTINA, Z.I., red.; DAVYDOVA, M.I.,
red.; PETRENKO, V.M., tekhn. red.

[Intensifying the production processes at hydrolytic and
wood chemistry enterprises] Intensifikatsiia proizvodstven-
nykh protsessov na gidroliznykh i lesokhimicheskikh pred-
priatiakh. Moskva, 1963. 45 p. (MIRA 16:11)

1. Tsentral'nyy institut tekhnicheskoy informatsii i eko-
nomicheskikh issledovaniy po lesnoy, bumazhnoy i derevo-
obrabatyvayushchey promyshlennosti.

(Woodpulp industry) (Hydrolysis)

BUTYRINA, Praskov'ya Sergeyevna, kand. veter. nauk; zasl. veter.
vrach RSFSR; SELIVANOVA, A.S., kand. veter. nauk;
POLIVAYEVA, N.V., red.; DEYEV, P.G., tekhn. red.

[Poultry diseases and their control] Bolezni ptits i mery
bor'by s nimi. Omsk, Omskoe knizhnoe izd-vo, 1962. 133 p.
(MIRA 17:1)

KRYLOV, G.V., prof., otv. red.; POLIVIN, G.P., red.; YELISTRATOVA,
Ye.M., tekhn. red.

[Conservation problems of Siberia and the Far East]
Problemy okhrany prirody Sibiri i Dal'nego Vostoka;
trudy. Otv. red. G.V.Krylov. Novosibirsk, Izd-vo Si-
birskogo otd-niia AN SSSR, 1963. 241 p. (MIRA 17:2)

1. Vsesoyuznoye soveshchaniye po okhrane prirody. 4th,
Novosibirsk, 1961.

MARESOVA, Z.; POLIVKA, D.; RACEK, F.

Medullary calcification in the bones. Acta chir. orthop. traum.
cech. 31 no.2:108-111 Ap '64.

1. Ortopedická klinika lékařské fakulty KU [Karlova Universita]
v Plzni (prednosta doc. dr. D. Polivka), Klinika chorob vnitřních
lékarské fakulty KU [Karlova Universita] v Plzni (prednosta
prof. dr. K. Bobek) a Ustřední rentgenologické oddělení SFN v Plzni
(vedoucí MUDr. Z. Chudacek, CSc.).

POLIVKA, D.

Remarks on the status of tuberculosis of the locomotor system.
Acta chir. orthop. traum. Cech. 32 no.2:90-93 Ap'65.

1. Ortopedická klinika lékařské fakulty Karlovy University v
Plzni (prednost: doc. dr. D. Polivka).

POLIVKA D. Mortanova neuralgie Morton's neuralgia Acta Chir. Orthopaed.
Traumatol., Praha 1950, 17/4 (119-132) Illus. 1

The author operated on three patients with typical Morton's neuralgia. In all cases there was a fusiform thickening of the 3rd and 4th plantar digital nerves and microscopic findings showed fibrosis of these nerves and obliterative changes of the corresponding artery.

Niederle - Prague (IX, 5, 8)

So: Neurology & Psychiatry Section VIII, Vol. 4, No. 1-6

POLIVKA, D.

Effect of antituberculotics on the course and therapy of
osteoarticular tuberculosis. Acta chir. orthop. traum. cech. 21
no.5-6:144-149 Dec 54.

(TUBERCULOSIS, OSTEOARTICULAR, therapy
Isoniazid, PAS & streptomycin)

(NICOTINIC ACID ISOMERS, ther. use
isoniazid in osteoarticular tuberc., alone & with
streptomycin & PAS)

(PARA-AMINOSALICYLIC ACID, ther. use
tuberc. osteoarticular, alone & with isoniazid &
streptomycin)

(STREPTOMYCIN, ther. use
tuberc. osteoarticular, alone & with PAS & isoniazid)

POLIVKA, D.

Discoid meniscus of the knee. Acta chir. orthop. traum. cech.
22 no.5:186-190 Sept 55.

1. Z orthopedického oddelení KUNZ Plzeň.
(KNEE, abnormalities
discoid meniscus)